

The Urban District Council of Worsley.

ANNUAL REPORT

FOR 1906,

BY

ROBERT SAYERS, M.D.,

MEDICAL OFFICER OF HEALTH,

AND

JAMES WILLCOCK,

SANITARY INSPECTOR.

ISSUED BY THE URBAN DISTRICT COUNCIL OF WORSLEY,

March, 1907.

WALKDEN :

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Annual Report

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE

Urban District of Worsley,

For the Year 1906.

*To the Chairman and Members of the Worsley Urban
District Council.*

GENTLEMEN,

I have the pleasure to lay before you my Twelfth Annual Report of the Health and Sanitary condition of your district.

The area of the district is 5,584 acres ; the population estimated at the middle of 1906 is 13,174. It was 11,036 in 1891.

The Births registered in the district amounted to 280, 10 less than the previous year, and 19 less than the ten years' average. The rate is 21·2 compared with 22·2 for the year 1905. The County rate for 1905 was 25·06. Of the 280, 128 were males and 152 females. 274 were legitimate, and 6 illegitimate.

Ninety-six were from North Ward, 59 from Central, 63 from East, 29 from Worsley, and 33 from Boothstown. The rate for North being 25, for Central 20·1, for East 23·4, for Worsley 13·3, for Boothstown 21·4.

The Deaths numbered 195 (93 males and 102 females) which includes 13 deaths in the workhouse. The total is an increase of 4 on the previous year, and of 13 on the ten years' average. The rate per 1,000 is 14·8, compared with 14·6 the previous year, and 14·7 for the ten years' average.

North Ward accounted for 63, Central 41, East 45, Worsley 24, and Boothstown 22.

Of the total, 42 were of children under one year, 18 were over one and under five, 7 were over five and under fifteen, 8 were over fifteen and under twenty-five, 61 were over twenty-five and under sixty-five, and 46 were over sixty-five years of age.

Table shewing death-rate for separate wards compared with the five years' average, 1902 to 1906.

	Whole District.	North.	Central.	East.	Worsley.	Boothstown.
1906	14·8	16·4	14·1	16·7	11·	14·3
1902 to 1906	14·6	17·3	14·3	12·9	11·9	15·7

For 1906, North and Boothstown have each improved on their five years' average, Central and Worsley are stationary, whilst East has gone from the second position to the worst of all.

Table showing Population, Deaths, Death Rate, Zymotic Death Rate, and Rate of Lung Diseases, other than Phthisis, for the whole district and for each of the Wards 1905 and 1906.

	Population, 1906.	Total Deaths.		Death Rate.		Zymotic, excluding Diarrhoea.		Lung Diseases other than Phthisis.		Deaths under one year.	
		1905	1906	1905	1906	1905	1906	1905	1906	1905	1906
Whole District ...	13,174	191	195	14·6	14·8	1·4	·7	3·9	2·9	35	42
North Ward .	3,831	72	63	19·	16·4	3·7	1·6	4·8	3·	17	22
Central Ward ...	2,930	41	41	14·5	14·1	·7	...	5·5	2·4	3	6
East Ward ...	2,690	27	45	10·1	16·7	·7	1·1	1·1	1·4	6	4
Worsley Ward ...	2,181	30	24	11·	11·	...	...	2·3	1·4	1	2
Boothstown Ward	1,542	21	22	13·7	14·3	...	...	5·9	2·6	5	8

Infantile Mortality.—42 children under one year of age died during the year, so that for every 1,000 births registered, 150 died before attaining the age of one year. This is an increase of 7 on the previous year in number, and of 29 in the rate per 1,000

More than one-half of these deaths took place in the North Ward—22 out of 42—Central, East, and Worsley having very few, Boothstown slightly more than its proportion.

For the first time I am able to record the number of births occurring in each ward, and it is interesting to note the proportion of deaths to the number of births. In North Ward nearly one-fourth (229 in the 1,000) of all the children born die before completing their first year. In Boothstown practically a fourth (243 to the 1,000) whilst in Central only one-tenth, in East one-sixteenth, and in Worsley one-fourteenth. But in Worsley

Ward special care has to be taken of the children, so very few are born, the birth rate in that ward being only 13·3 per 1,000.

Table showing Number of Births, Birth Rate, Deaths under one year, Rate per 1,000 born, and Total Death Rate in each of the Wards.

	Population.	Births.		Deaths under one year.	Rate per 1000 born.	Total Death Rate.
		Number.	Rate.			
Whole District ...	13,174	280	21·2	42	150	14·8
North Ward ...	3,831	96	25·	22	229	16·4
Central Ward ...	2,930	59	20·1	6	102	14·1
East Ward ...	2,690	63	23·4	4	64	16·7
Worsley ...	2,181	29	13·3	2	69	11·
Boothstown ...	1,542	33	21·4	8	243	14·3

The Zymotic rate, excluding Diarrhœa is exceptionally low, ·7 compared with 1·4 for the previous year—only 9 deaths were due to these diseases compared with 18 for 1905. We had not a single death from Measles, and but for Diarrhœa there was no epidemic of any kind during the year.

Diarrhœa was somewhat prevalent during the last week of August and the month of September, causing 18 deaths—as against 4 the previous year, one-half of the total taking place in North Ward. Three funerals in one street on the same day in that ward gave rise to reports of a serious epidemic, and was the cause of a special report being sent by me to the Local Government Board and the County Council, and was presented at your meeting in October. I there stated that in my opinion the cause was to be found in the mistaken idea of mothers that when children are teething it is wrong to stop diarrhœa, and medical help is sought when too late, and the other mistaken idea that children must be let have what they cry for. Both reasons simply meaning ignorance of the true wants of a child. I have no hesitation in saying that a large number of lives could have been saved by proper attention to the feeding and nursing after the diarrhœa began, and many cases prevented altogether.

Lung diseases, other than Phthisis gave rise to fewer deaths than the previous year—38 as against 49.

The notification of infectious sickness for the whole district amounted to 94, a decrease of 34 on the previous year, and of 6 on the ten years' average—48 cases of Scarlet Fever instead of 71 for 1905, Enteric Fever was only reported 12 times as against 33 the previous year. The only increase was in Diphtheria, 23 instead of 8.

The largest number of Scarlet Fever cases were in East Ward—21 out of 48—whilst 12 of the 23 Diphtheria cases were in

the North Ward. The cases of Scarlet Fever were chiefly from All Saints' Schools. The Schools were fumigated and walls sprayed, the drains re-laid in cellar, and all branch drains examined and flushed. The cesspool into which the drainage emptied has been piped through and filled up, so that no further nuisance can arise.

For a number of years Boothstown accounted for much more than its proper share of infectious diseases, but both 1905 and 1906 are much better in this respect, and I have no doubt the cleansing of the brook, together with the fact that the sewerage from 80 houses is now properly connected up and no longer empties into it, have much to do with the improvement.

During the past year a number of the Sanitary and other streets in North and Central Wards have been paved and completed, those particularly in North Ward long wanted attention, and I have no doubt that they will further aid that Ward in gaining a more equal position. The Wardley end of East Ward suffers from not having its main sewerage scheme completed, the present mains not being deep enough to do their work properly. As there has been a good deal of new property erected recently, this will have to be attended to.

The system whereby the contents of the ashpits are not thrown on the ground, continues to give good results, and is a source of satisfaction to the inhabitants. The sanitary streets are kept clean, and the offensive smells prevented.

Only two cases of persons suffering from infectious sickness were removed to Hospital during the year. Unpleasantness is constantly arising through people wishing to have cases removed, not, I am afraid, because of their concern for the public health, but because it is much less trouble and expense having them sent. The experiment of having them treated at home where possible, has been tried for the past two years, and certainly, if the number of cases occurring is any guide, it is proving successful.

Several mill chimneys continue to give out black smoke far beyond the limits. Notices have frequently been served, and I think the Council ought to use more pressure.

During the year 42 new houses have been completed ready for occupation.

Systematic inspections of the district have been made during the year, and numerous ones at the request of the Sanitary Inspector.

In accordance with the requirements of the Factory and Workshops Act, the Workshops, Bakehouses and Slaughter-houses have been inspected, and defects where necessary pointed out.

The Dairies and Cowsheds have been visited. In the majority of cases the conditions were found satisfactory.

The question of the disposal of house refuse is becoming a difficult one to your officers, and I would suggest the erection of a Refuse Destructor.

Table showing the ANNUAL DEATH RATES for 1901 to 1905, and the ANNUAL AVERAGE DEATH RATE for the five-years' periods—1871-1875, 1876-1880, 1881-1885, 1886-1890, 1891-1895 and 1896-1900—from all Causes, the principal Infectious Diseases notified, Diarrhœa, Phthisis, and Lung Diseases.

	All Causes.	Principal Infectious Diseases Notified.	Diarrhœa.	Phthisis.	Lung Diseases exclusive of Phthisis.
1871-1875 ...	22·7	4·1	1·	1·8	4·4
1876-1880 ...	21·5	3·9	·8	1·4	5·2
1881-1885 ...	17·7	1·7	·8	1·4	4·2
1886-1890 ...	17·4	1·2	·8	1·2	4·4
1891-1895 ...	17·1	1·7	·7	·8	3·6
1896-1900 ...	14·6	·7	·9	1·	2·5
1901 ...	15·6	·9	1·4	·8	2·1
1902 ...	14·9	1·1	·2	1·1	3·5
1903 ...	14·4	1·5	·4	·7	2·2
1904 ...	14·5	1·4	·6	·9	2·2
1905 ...	14·6	1·4	·3	1·	4·8
1906 ...	14·8	·7	1·4	·9	2·9

The five-years' averages for death-rate from 1871 to the present, show a steady fall in the rate from 22·7 in 1871-75 to 14·6 for 1895-1900.

At the end of the year the public health is in a very satisfactory condition. The district is without an epidemic of any kind.

In conclusion, the year has been noticeable for having a lessened amount of sickness from Scarlet Fever, Measles, Whooping Cough, and Enteric Fever. Lung Diseases have also been less; but, on the other hand, Diarrhœa was much more prevalent, and the deaths under one year much higher.

Tables I., II., III., IV. and V., and a table for the Home Office on the Factories, &c., and a table for the Lancashire County Council, are attached.

I am, Gentlemen,

Yours truly,

R. SAYERS, M.D.,

Medical Officer of Health.

TABLE 1.

Name of District—WORSLEY URBAN.—(For whole District).

YEAR.	Population estimated to middle of each year.	BIRTHS.		TOTAL DEATHS REGISTERED IN THE DISTRICT.				Total Deaths in Public Institutions in the District.	Deaths of Non- Residents registered in Public Institutions in the District.	Deaths of Residents registered in Public Institutions beyond the District.	NET DEATHS AT ALL AGES.	
		Num- ber.	Rate*	Under 1 Year of Age.		At all Ages.					Num- ber.	Rate*
				Num- ber.	Rate per 1,000 Births Registered	Num- ber.	Rate*					
1	2	3	4	5	6	7	8	9	10	11	12	13
1896	11,748	302	25·7	41	136	163	13·9	...	...	1	164	14·
1897	11,891	304	25·5	45	138	163	13·7	...	...	...	163	13·7
1898	12,033	313	26·	47	150	161	13·4	...	...	2	163	13·6
1899	12,176	308	25·3	46	149	179	14·7	...	...	4	183	15·
1900	12,318	318	25·8	44	138	202	16·4	...	...	3	205	16·6
1901	12,462	279	22·4	43	154	189	15·2	...	...	6	195	15·6
1902	12,604	315	25·	35	111	176	14·	...	...	12	188	14·9
1903	12,747	320	25·1	44	137	169	13·2	...	...	16	184	14·4
1904	12,889	345	26·8	45	130	174	13·5	...	...	13	187	14·5
1905	13,032	290	22·2	35	121	178	13·5	...	...	13	191	14·6
Averages for years 1896-1905.	12,390	309	25·	42	136	175	14·1	...	...	7	182	14·7
1906	13,174	280	21·2	42	150	182	13·8	...	...	13	195	14·8

* Rates in columns 4, 8 and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water) 5,584. Total population at all ages, 12,462.

Number of inhabited houses, 2,709. Average number of persons per house, 4·6.

(At Census of 1901).



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TABLE II.

Name of District—WORSLEY URBAN.

NAME OF LOCALITIES.	Whole District.				North Ward.				Central Ward.				East Ward.				Worsley Ward.				Boothstown Ward.			
YEAR.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.
	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>	<i>a.</i>	<i>b.</i>	<i>c.</i>	<i>d.</i>
1896 ...	11,748	302	164	41																				
1897 ...	11,891	304	163	45																				
1898 ...	12,033	313	163	47																				
1899 ...	12,176	308	183	46																				
1900 ...	12,318	318	205	44																				
1901 ...	12,462	279	195	43	3630	64	21	2771	38	1	2551	32	11	2062	39	6	1448	22	4					
1902 ...	12,604	315	188	35	3672	62	16	2805	51	11	2579	30	5	2086	26	3	1464	19	...					
1903 ...	12,747	320	184	44	3715	60	17	2836	38	9	2604	35	10	2111	20	2	1486	31	6					
1904 ...	12,889	345	187	45	3755	67	20	2867	34	5	2627	34	10	2134	27	4	1506	25	6					
1905 ...	13,032	290	191	35	3799	72	17	2898	41	3	2658	27	6	2157	30	4	1524	21	5					
Averages of Years 1896 to 1905.	12,390	300	182	42	3714	65	18	2822	40	6	2604	32	8	2110	28	4	1486	24	4					
1906 ...	13,174	280	195	42	3831	96	63	22	2930	59	41	6	2690	63	45	4	2181	29	24	2	1542	33	22	8

TABLE III.

WORSLEY URBAN DISTRICT.**Cases of Infectious Disease notified during the Year 1906.**

NOTIFIABLE DISEASES.	CASES NOTIFIED IN WHOLE DISTRICT.						TOTAL CASES NOTIFIED IN EACH WARD.					NO. OF CASES REMOVED TO HOSPITAL FROM EACH WARD.				
	AT ALL AGES.	Un- der 1	1 to 5	5 to 15	15 to 25	25 to 65	NORTH.	CENTRAL.	EAST.	WORSLEY.	BOOTHSTOWN.	NORTH.	CENTRAL.	EAST.	WORSLEY.	BOOTHSTOWN.
Diphtheria	23	...	8	11	2	2	12	5	3	1	2	...	...	...	...	...
Membranous Croup ...	4	...	3	1	...	...	1	...	2	...	1	...	...	...	...	...
Erysipelas	6	...	...	...	...	6	...	1	...	1	4	...	...	...	...	...
Scarlet Fever	48	...	12	32	1	3	8	9	21	3	7	...	...	...	...	1
Enteric Fever	12	...	...	2	6	4	4	2	5	...	1	1	..	...	..	...
Continued Fever... ..	1	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...
Totals	94	...	23	46	10	15	25	17	31	5	16	1	...	..	...	1

TABLE IV.

WORSLEY URBAN DISTRICT.***Causes of, and Ages at, Death during Year 1906.***

CAUSES OF DEATH.	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.							DEATHS IN OR BELONGING TO LOCALITIES (AT ALL AGES)					TOTAL DEATHS IN PUBLIC INSTITUTIONS.
	All Ages.	nder 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	North Ward.	Central Ward.	East Ward.	Worsley Ward.	Boothstown Ward.	
Scarlet Fever	1	...	1	...	...	...	...	1	...	...	...	...	...
Whooping Cough	3	1	2	...	...	...	...	3	...	...	...	...	...
Diphtheria and Membranous Croup	3	...	1	2	...	...	...	1	...	2	...	...	...
Enteric Fever	2	...	...	...	1	1	...	1	...	1	...	...	...
Epidemic Influenza	7	2	...	...	...	4	1	3	2	2	...	...	...
Diarrhœa	18	10	4	...	...	4	...	9	4	3	...	2	...
Enteritis	1	...	...	1	...	...	...	...	...	1	...	...	...
Phthisis (Pulmonary Tuberculosis)...	12	...	2	...	2	7	1	1	7	3	1	...	...
Other Tubercular Diseases	5	1	3	...	...	1	...	2	2	1	...	...	...
Cancer, Malignant Disease	13	..	...	...	...	11	2	2	4	4	1	2	...
Bronchitis	19	5	...	...	1	1	12	7	4	6	1	1	...
Pneumonia	15	2	1	1	2	7	2	4	2	5	1	3	...
Pleurisy	3	...	...	1	...	...	2	...	1	1	1	...	...
Other Diseases of Respiratory Organs	1	1	...	...	...	...	...	1	...	...	...	...	..
Alcoholism, Cirrhosis of Liver ...	1	...	...	...	...	1	...	...	...	1	...	...	...
Premature Birth	6	6	...	...	...	...	...	2	3	...	...	1	...
Diseases and Accidents of Parturition	3	..	...	...	1	2	...	1	...	1	...	1	...
Heart Diseases	14	...	...	...	...	7	7	3	...	3	5	3	...
Accidents	6	...	1	1	...	3	1	...	...	1	4	1	...
Suicides	1	...	...	...	...	1	...	...	1	...	...	...	...
All other causes	61	14	3	1	1	17	25	22	11	10	10	8	...
All causes	195	42	18	7	8	67	53	63	41	45	24	22	...

TABLE V.

Name of District—WORSLEY URBAN.**Infantile Mortality During the Year 1906.**

Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.				Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month.	1-2 Months.	2-3 Months.	3-4 Months.	4-5 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	9-10 Months.	10-11 Months.	11-12 Months.	Total Deaths under One Year
All Causes	Certified ...	...	...	5	4	5	2	16	2	4	6	2	2	4	3	...	...	...	2	41
	Uncertified	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Common Infectious Diseases—																				
Whooping Cough				...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
Diarrhœal Diseases—																				
Diarrhœa, all forms				...	...	1	...	1	1	2	2	...	...	3	...	...	...	1	...	10
Wasting Diseases—																				
Premature Birth...				3	1	2	...	6	...	...	...	...	...	...	...	...	...	...	...	6
Congenital Defects				...	1	...	1	2	...	...	...	...	...	...	...	...	...	...	...	2
Atrophy, Debility, Marasmus				1	2	1	...	4	1	1	1	...	...	...	...	...	...	...	...	7
Tuberculous Diseases--																				
Tuberculous Meningitis				...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Tuberculous Peritonitis				...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1
Tabes Mesenterica				...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis (<i>not Tuberculous</i>)				...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Convulsions				1	...	...	1	2	...	...	...	...	...	1	...	...	...	...	...	3
Bronchitis				...	...	...	...	...	...	1	...	1	2	1	...	...	...	...	...	5
Laryngitis				...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
Pneumonia				...	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	2
Other Causes				...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	2
				5	4	5	2	16	2	4	6	2	2	5	3	...	...	...	2	42

Births in the year, 280.

Population, estimated to middle of 1906, 13,174.

Deaths from all Causes at all Ages, 195.

TABLE VI.

WORSLEY URBAN DISTRICT.**Factories, Workshops, Laundries, Workplaces and Homework.**

1.—INSPECTION.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

PREMISES.	Number of		
	Inspections.	Written Notices.	Prosecutions.
Factories (including Factory Laundries) ...	10	4	None.
Workshops (including Workshop Laundries)	48	1	
Workplaces	5	...	
Total	63	5	None.

2.—DEFECTS FOUND.

PARTICULARS.	Number of Defects.			Number of Prosecutions.
	Found.	Remedied.	Referred to H.M. Inspector.	
Other Nuisances	1	1	...	None.
Sanitary accommodations (unsuitable or defective)	6	4	2	
Total	7	5	2	

WALKDEN, 11th MARCH, 1907.

*To the Joint Committee of the Worsley and Swinton and
Pendlebury Smallpox Hospital.*

GENTLEMEN,

Fortunately the Hospital was not used during the year. Everything is in perfect readiness and order.

I am, Gentlemen,

Yours truly,

R. SAYERS, M.D.

Sanitary Inspector's Annual Report.

INSPECTOR'S OFFICE, HILTON LANE,
WALKDEN, *March, 1907.*

*To the Chairman and Members of the
Worsley Urban District Council.*

GENTLEMEN,

I have pleasure in laying before you the following Report for your consideration, giving particulars of work in my department during the year ending December 31st, 1906.

TABLE No. I.

No. of Houses visited and sanitary particulars reported							
	upon	...	...	...	...	...	174
,,	Letters and notices to abate nuisances	...					105
,,	Drains opened and cleansed	...					44
,,	New drains laid to old property	...					12
,,	Waste pipes repaired or renewed	...					27
,,	Ashpits built up, covered in, or repaired	...					56
,,	New closets and ashpits built to new houses...						24
,,	Cases of overcrowding	...	...	...	...		5
,,	Other nuisances dealt with	...					54
,,	Rooms disinfected after infectious cases	...					80
,,	Observations—emission of black smoke	...					27
							<hr/> 234
Licensed slaughter-houses...							<hr/> 11

BLACK SMOKE OBSERVATIONS.

During the year, 27 observations have been taken, and in nine cases the limit of seven minutes per hour was exceeded. Notices were sent to each offender, and promises given by the manufacturers in the district to remedy or minimise the nuisance. The stokers have also been repeatedly cautioned.

SCAVENGING DEPARTMENT.

EMPTYING OF ASHPITS, DUSTBINS, &c.

All the contracts (five in number) were re-let during the year at a reduced cost. The contracts each provide for the emptying six times during each year, and dry ashbins every two weeks.

The following tables give cost of this work as compared with the previous year:—

1905	No. of Houses.	Population.	Amount of Contract.
Walkden (Sec. No. 1)...	853	3923	£145 0 0
„ („ No. 2)...	871	4006	130 0 0
„ („ No. 3)...	636	2925	130 0 0
Boothstown	313	1439	78 0 0
Worsley Village	188	864	36 0 0
	<u>2,861</u>	<u>13,157</u>	<u>£519 0 0</u>

1906	No. of Houses.	Population.	Amount of Contract.
Walkden (Sec. No. 1)...	862	3965	£128 0 0
„ („ No. 2) ..	931	4282	130 0 0
„ („ No. 3)...	658	3026	120 0 0
Boothstown	316	1453	65 0 0
Worsley Village	185	851	36 0 0
	<u>2,952</u>	<u>13,577</u>	<u>£479 0 0</u>

DAIRIES AND COWSHEDS.

The number on register is now 27, as against 26 last year. Three certificates of registration have been given: two for new occupiers, and one for new buildings.

A large portion of milk supply is now delivered from two depôts, one the local Co-operative Society, and the other portion from the Tenant Farmers' Association, "The Creamery," Manchester Road, Walkden. Both these dairies are kept in a strictly clean and sanitary condition.

FOOD AND DRUGS ACTS.

Five samples of milk were obtained from local purveyors and submitted to the County Analyst, and a certificate received certifying all samples genuine. The County Police have also obtained samples in the district.

SLAUGHTER-HOUSES.

These premises have been inspected and are generally found satisfactory. Eleven licences were granted, an addition of two on preceding year.

INFECTIOUS DISEASES NOTIFICATION
ACTS, 1889-1899.

The following table gives number of cases notified by medical attendants, also number of cases reported during each month of the year.

In the Medical Officer's Report is shewn the number of cases occurring in the respective wards. Each case is visited immediately after notification and particulars obtained as to provision of isolation, number of family, school attendance, etc. The rooms are disinfected at the termination of illness by your officer, and any drainage defects found made good. A liberal supply of disinfectant is made.

Two cases were removed to hospital, one of scarlet fever and one of typhoid fever. There was very little spread of sickness from one case to another person, the 94 cases occurred in 85 houses.

Cases of infectious disease notified during each month of the year :—

Nature of Disease.	January	February	March	April	May	June	July	August	September	October	November	December	Totals
Small-pox ... ..													...
Scarlet Fever... ..	5	8	3	8	10	3	..	2	...	4	3	2	48
Diphtheria		2	2	2	4	2	1	2	4	...	4	...	23
Membranous Croup			1	1	...	2	...	...	...	...	...	...	4
Typhoid Fever		1	1	...	...	1	1	...	3	2	1	2	12
Erysipelas			2	1	...	...	2	...	...	1	...	...	6
Continued Fever							1	...	...	...	...	...	1
Totals	5	11	9	12	14	8	5	4	7	7	8	4	94

FACTORIES AND WORKSHOPS ACT, 1901.

The number of factories and workshops on the register at end of year was 63, and this number is made up as follows : Cotton spinning and weaving, 10 ; bakehouses, 10 ; dress and mantle making, 4 ; boot and shoe making and repairing, 11 ; tailoring, 5 ; paint mixing, 4 ; tin plate worker, 1 ; printing, 1 ; joinery and cabinet making, 9 ; cycle repairing, 2 ; concrete works, 2 ; blacksmiths and wheelwrights, 4.

Four notices were received from the Inspector of Factories, and particulars enquired into as to sanitary conveniences.

Plans have been passed for new conveniences at the Walkden Spinning Co's. Mill, and arrangements will shortly be made for an extension of sewer along Atkin Street, and water-carriage system adopted in lieu of existing privy closets at another mill. The whole of the factories in your district will then have a satisfactory system of water closets.

The workshops are kept in a clean condition ; two notices were served for lime-washing, and in a few cases it was necessary to point out the need of better ventilation.

There are no trades carried on in the district which come under the head of "Offensive trades."

CANAL BOATS ACTS, 1877-1884.

Periodical inspections of registered boats have been made on the Bridgewater Navigation Canal which passes through Worsley for a distance of three and a quarter miles.

The following table gives the number of boats inspected, the registration district to which they belong, and the number of adult persons and children occupying the cabins:—

Registration Authority.	Number of Times Inspected.			Total.		Number of Occupiers.			Total.
	Once	Twice	Three	Boats	Inspections	Males	Females	Children	
Manchester ...	26	5	...	31	36	38	13	...	51
Runcorn ...	23	...	...	23	23	25	16	12	53
Totals . .	49	5	...	54	59	63	29	12	104

The total registered accommodation in the 59 boats was for 150 persons, and the number found occupying the cabins 104, 66 per cent. of number provided for. No overcrowding was met with, and only a small percentage of children compared with previous years. Of this number, 63 were men, 29 women and 12 children. Seven of the children were of school age and five under five years ; some of the children attended Worsley School,

The number of infringements of the regulations of the Local Government Board were as follows :—

Certificates	...	...	...	2
Painting required	...	...	...	2
Bilge water removal	...	...	...	2
Cleanliness not attended to	...	...	...	2
Seperation of sexes	...	...	...	1
Water cask not sufficient	...	...	...	1
				—
				10
				=

Complaint notes were sent to the owners, and all have been complied with.

No infectious sickness was met with on the boats during the year, and the general health of the people appeared to be satisfactory.

A copy of report has been forwarded to the Local Government Board in accordance with Section 3 of Canal Boats Acts.

PUBLIC LIGHTING.

Improvements in the street lighting have been carried out at the following places :—

One ordinary lamp,	Bridgewater Road, Walkden
do.	Kay Street, Walkden
do.	Crompton Street, Walkden
do.	Beech Street, Wardley Lane
do.	Forrester Street, Roe Green
do.	Mill Brow, Worsley

The ordinary lighting of gas lamps has now been discontinued on some parts of main roads and replaced by powerful incandescent lights along tramway routes. These lights are a great improvement over the gas lights where fixed on each standard, but in the Wardley Lane part of district it is probable that some additional lighting will be required. The number of lamps discontinued is 143 ordinary and 14 Waddington lamps, and the number now lighted is 312 ordinary lamps and 18 Waddington.

I am, Gentlemen,

Your obedient servant,

JAMES WILLCOCK,

Cert. San. Inst.

